Civil Engineering Database Keyword Index

The Civil Engineering Database (CEDB) is

designed to provide free, easy bibliographic access to all ASCE publications. The database covers ASCE documents published since 1972. It provides access to all the journals, conference proceedings, books, standards, manuals, magazines, and newspapers. The index terms below were assigned to papers published in this journal during 2002 from a CEDB keyword list. The CEDB and keyword list can be accessed on the Web at http://www.pubs.asce.org/cedbsrch.html.

Accuracy

Use of Geoid for Assessing Trigonometric Height Accuracy and Detecting Vertical Land Motion. —Cheinway Hwang and Lih-Shinn Hwang; 128(1), 1-20 (2002).

Enhancing Precision of Global Positioning System using Short-Range Distance Baseline Field. —Chun-Sung Chen and Ta-Kang Yeh; 128(1), 21-38 (2002).

Aerial photography

Georeferencing Aerial Photography:
Beginners Approach. —Ahmad S.
Massasati; 128(4), 159-67 (2002).

Algorithms

Developing Carrier-Phase Differential Global Positioning System Networks with Partial Derivative Algorithms. —Christopher C. Varner and M. Elizabeth Cannon; 128(2), 39-60 (2002).

Alignment

Dynamic Parallel Roll Alignment. —W. F. Teskey and R. S. Radovanovic; 128(3), 136-43 (2002).

Amplitude

Analytical Solution for the Amplitude Ratio Method for Determining Mean High Water in Tidal Regions. —Joshua Greenfeld; 128(2), 61-75 (2002).

Analytical techniques

Analytical Solution for the Amplitude Ratio Method for Determining Mean High Water in Tidal Regions. — Joshua Greenfeld; 128(2), 61-75 (2002).

Conservation

Remote Sensing and Geographic Information System Based Approach for Watershed Conservation. — Sujata Biswas, S. Sudhakar, and V. R. Desai; 128(3), 108-24 (2002).

Construction industry

Role of Surveyors under ISO 9000 in the Construction Industry. — Steve Y. W. Lam and Conrad H. W. Tang; 128(4), 187-99 (2002).

Densification

Application of Theil Model to Adjustments of Network Densifications. — Rongshin Hsu; 128(3), 144-56 (2002).

Digital techniques

Georeferencing Aerial Photography: Beginners Approach. — Ahmad S. Massasati; 128(4), 159-67 (2002).

Engineering education

Georeferencing Aerial Photography:
Beginners Approach. —Ahmad S.
Massasati; 128(4), 159-67 (2002).

Transformation of Survey Coordinates— Another Look at an Old Problem. —William H. Sprinsky; 128(4), 200-9 (2002).

Errors

Developing Carrier-Phase Differential Global Positioning System Networks with Partial Derivative Algorithms. —Christopher C. Varner and M. Elizabeth Cannon; 128(2), 39-60 (2002).

Cendes

Application of Gauss-Bonnet Theorem to Geodesy. — Gaye Kızılsu; 128(3), 125-35 (2002).

Geodetic surveys

Application of Gauss-Bonnet Theorem to Geodesy. — Gaye Kızılsu; 128(3), 125-35 (2002).

Geographic information systems

Remote Sensing and Geographic Information System Based Approach for Watershed Conservation. — Sujata Biswas, S. Sudhakar, and V. R. Desai; 128(3), 108-24 (2002).

Transformation of Survey Coordinates— Another Look at an Old Problem. — William H. Sprinsky; 128(4), 200-9 (2002).

Geoid

Use of Geoid for Assessing Trigonometric Height Accuracy and Detecting Vertical Land Motion. — Cheinway Hwang and Lih-Shinn Hwang; 128(1), 1-20 (2002).

Global positioning

Enhancing Precision of Global Positioning System using Short-Range Distance Baseline Field. — Chun-Sung Chen and Ta-Kang Yeh; 128(1), 21-38 (2002).

Developing Carrier-Phase Differential Global Positioning System Networks with Partial Derivative Algorithms. — Christopher C. Varner and M. Elizabeth Cannon; 128(2), 39-60 (2002).

History

Surveying and Mapping: History, Current Status, and Future Projections. — Paul R. Wolf; 128(3), 79-107 (2002).

Leveling

Functional Models and New Stochastic Model in Combined Leveling Nets. — M. Zeki Coşkun and O. Baykal; 128(4), 168-86 (2002).

Mapping

Surveying and Mapping: History, Current Status, and Future Projections. — Paul R. Wolf; 128(3), 79-107 (2002).

Models

Use of Geoid for Assessing Trigonometric Height Accuracy and Detecting Vertical Land Motion. — Cheinway Hwang and Lih-Shinn Hwang; 128(1), 1-20 (2002).

Application of Theil Model to Adjustments of Network Densifications. — Rongshin Hsu; 128(3), 144-56 (2002).

Networks

Developing Carrier-Phase Differential Global Positioning System Networks with Partial Derivative Algorithms. — Christopher C. Varner and M. Elizabeth Cannon; 128(2), 39-60 (2002).

Optimization

Enhancing Precision of Global Positioning System using Short-Range Distance Baseline Field. — Chun-Sung Chen and Ta-Kang Yeh; 128(1), 21-38 (2002).

Parallel processing

Dynamic Parallel Roll Alignment. — W. F. Teskey and R. S. Radovanovic; 128(3), 136-43 (2002).

Quality control

Role of Surveyors under ISO 9000 in the Construction Industry. — Steve Y. W. Lam and Conrad H. W. Tang; 128(4), 187-99 (2002).

Refraction

Functional Models and New Stochastic Model in Combined Leveling Nets. — M. Zeki Coşkun and O. Baykal; 128(4), 168-86 (2002).

Remote sensing

Remote Sensing and Geographic Information System Based Approach for Watershed Conservation. — Sujata Biswas, S. Sudhakar, and V. R. Desai; 128(3), 108-24 (2002).

Scale, ratio

Functional Models and New Stochastic Model in Combined Leveling Nets. — M. Zeki Coşkun and O. Baykal; 128(4), 168-86 (2002).

Standards

Role of Surveyors under ISO 9000 in the Construction Industry. — Steve Y. W. Lam and Conrad H. W. Tang; 128(4), 187-99 (2002).

Stochastic models

Functional Models and New Stochastic Model in Combined Leveling Nets. — M. Zeki Coşkun and O. Baykal; 128(4), 168-86 (2002).

Surveys

Use of Geoid for Assessing Trigonometric Height Accuracy and Detecting Vertical Land Motion. — Cheinway Hwang and Lih-Shinn Hwang; 128(1), 1-20 (2002).

- Enhancing Precision of Global Positioning System using Short-Range Distance Baseline Field. — Chun-Sung Chen and Ta-Kang Yeh; 128(1), 21-38 (2002).
- Surveying and Mapping: History, Current Status, and Future Projections. — Paul R. Wolf; 128(3), 79-107 (2002).
- Dynamic Parallel Roll Alignment. W. F. Teskey and R. S. Radovanovic; 128(3), 136-43 (2002).
- Application of Theil Model to Adjustments of Network Densifications. Rongshin Hsu; 128(3), 144-56 (2002).
- Role of Surveyors under ISO 9000 in the Construction Industry. — Steve Y. W. Lam and Conrad H. W. Tang; 128(4), 187-99 (2002).
- Transformation of Survey Coordinates— Another Look at an Old Problem. — William H. Sprinsky; 128(4), 200-9 (2002).

Taiwan

Use of Geoid for Assessing Trigonometric Height Accuracy and Detecting Vertical Land Motion. — Cheinway Hwang and Lih-Shinn Hwang; 128(1), 1-20 (2002).

Tidal water

Analytical Solution for the Amplitude Ratio Method for Determining Mean High Water in Tidal Regions. — Joshua Greenfeld; 128(2), 61-75 (2002).

Water levels

Analytical Solution for the Amplitude Ratio Method for Determining Mean High Water in Tidal Regions. — Joshua Greenfeld; 128(2), 61-75 (2002).

Watershed management

Remote Sensing and Geographic Information System Based Approach for Watershed Conservation. — Sujata Biswas, S. Sudhakar, and V. R. Desai; 128(3), 108-24 (2002).

2002 ANNUAL INDEX

Author Index

Baykal, O.

Functional Models and New Stochastic Model in Combined Leveling Nets. —M. Zeki Coşkun and O. Baykal; 128(4), 168-86 (2002).

Biswas, Sujata

Remote Sensing and Geographic Information System Based Approach for Watershed Conservation. — Sujata Biswas, S. Sudhakar, and V. R. Desai; 128(3), 108-24 (2002).

Burtch, Robert C.

In Memoriam. —Robert C. Burtch; 128(3), 77-8 (2002).

Editor's Note. —Robert C. Burtch; 128(4), 157-8 (2002).

Cannon, M. Elizabeth

Developing Carrier-Phase Differential Global Positioning System Networks with Partial Derivative Algorithms. —Christopher C. Varner and M. Elizabeth Cannon; 128(2), 39-60 (2002).

Chen, Chun-Sung

Enhancing Precision of Global Positioning System using Short-Range Distance Baseline Field. —Chun-Sung Chen and Ta-Kang Yeh; 128(1), 21-38 (2002).

Coskun, M. Zeki

Functional Models and New Stochastic Model in Combined Leveling Nets. —M. Zeki Coşkun and O. Baykal; 128(4), 168-86 (2002).

Desai, V. R.

Remote Sensing and Geographic Information System Based Approach for Watershed Conservation. — Sujata Biswas, S. Sudhakar, and V. R. Desai; 128(3), 108-24 (2002).

Greenfeld, Joshua

Analytical Solution for the Amplitude Ratio Method for Determining Mean High Water in Tidal Regions. —Joshua Greenfeld; 128(2), 61-75 (2002).

Hsu, Rongshin

Application of Theil Model to Adjustments of Network Densifications. — Rongshin Hsu; 128(3), 144-56 (2002).

Hwang, Cheinway

Use of Geoid for Assessing Trigonometric Height Accuracy and Detecting Vertical Land Motion. — Cheinway Hwang and Lih-Shinn Hwang; 128(1), 1-20 (2002).

Hwang, Lih-Shinn

Use of Geoid for Assessing Trigonometric Height Accuracy and Detecting Vertical Land Motion. — Cheinway Hwang and Lih-Shinn Hwang; 128(1), 1-20 (2002).

Kızılsu, Gaye

Application of Gauss-Bonnet Theorem to Geodesy. — Gaye Kızılsu; 128(3), 125-35 (2002).

Lam, Steve Y. W.

Role of Surveyors under ISO 9000 in the Construction Industry. — Steve Y. W. Lam and Conrad H. W. Tang; 128(4), 187-99 (2002).

Massasati, Ahmad S.

Georeferencing Aerial Photography: Beginners Approach. —Ahmad S. Massasati; 128(4), 159-67 (2002).

Radovanovic, R. S.

Dynamic Parallel Roll Alignment. —W. F. Teskey and R. S. Radovanovic; 128(3), 136-43 (2002).

Sprinsky, William H.

Transformation of Survey Coordinates— Another Look at an Old Problem. —William H. Sprinsky; 128(4), 200-9 (2002).

Sudhakar, S.

Remote Sensing and Geographic Information System Based Approach for Watershed Conservation. — Sujata Biswas, S. Sudhakar, and V. R. Desai; 128(3), 108-24 (2002).

Tang, Conrad H. W.

Role of Surveyors under ISO 9000 in the Construction Industry. — Steve Y. W. Lam and Conrad H. W. Tang; 128(4), 187-99 (2002).

Teskey, W. F.

Dynamic Parallel Roll Alignment. — W. F. Teskey and R. S. Radovanovic; 128(3), 136-43 (2002).

Varner, Christopher C.

Developing Carrier-Phase Differential Global Positioning System Networks with Partial Derivative Algorithms. — Christopher C. Varner and M. Elizabeth Cannon; 128(2), 39-60 (2002).

Wolf, Paul R.

Surveying and Mapping: History, Current Status, and Future Projections. — Paul R. Wolf; 128(3), 79-107 (2002).

Yeh, Ta-Kang

Enhancing Precision of Global Positioning System using Short-Range Distance Baseline Field. — Chun-Sung Chen and Ta-Kang Yeh; 128(1), 21-38 (2002).